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COMPLETE SPECIFICATION.

Improvements relating to Electrical Connectors.

We, FRED GILBERT (CARDIFF) LIMITED, of Gillwood Engineering Works, Canal Parade, Cardiff, in the County of Glamorgan, a British Company, and TERENCE HALVOR BLICK, of 11 Beach Road, Penarth, in the County of Glamorgan, a British Subject, do hereby declare the invention, for which we pray that a patent may be granted to us, and the method by which it is to be performed, to be particularly described in and by the following statement:—

This invention comprises improvements relating to electrical connectors and has for its object to provide a connector which is particularly adapted for the connection of multi-strand cables, such as those used in connection with electric welding apparatus, but it is not limited to such cables, and may be used with other cables where its application is applicable.

An electrical connector according to the present invention embodies a body part having a screw threaded recess therein, the lower end of said recess forming an abutment for the base of a cone member which is adapted to be located adjacent to said abutment in the screw threaded recess and a screw threaded sleeve which is adapted to be located in the screw threaded recess to lock the strands of a cable which are to be located between the end of said sleeve and the periphery of the cone member.

Referring to the accompanying sheet of drawings:—

Figure 1 is an elevation partly in section of a double electrical connector according to this invention with one set of parts detached from the body of the connector; and

Figure 2 is a similar view to that shown in Figure 1, with the parts assembled.

In an embodiment of the present inven-

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tion as applied to a double ended electric connector, as shown upon the accompanying drawing, the body part 3 is formed with a screw threaded recess 4 at each end thereof and located on the base of each of said recesses 4 is a loose cone member 5. Screwing into each of said recesses 4 is a screw threaded sleeve 6.

To secure the cable 7 in the connector, the insulation is removed from the end of said cable, which end is passed into the screw threaded sleeve 6 and the apex of the cone member 5 is inserted into the centre of the strands of wire 8 forming the conductor of the cable 7 and inserted into the recess 4. The screw threaded sleeve 6 is then screwed down into the body part 3 of the connector when the strands 8 of the cable 7 are locked between the chamfered end 9 of the screw threaded sleeve 6 and the cone member 5.

The electrical connector according to this invention may be used for the connection of a cable to a terminal member, earthing clip or other electrical connection, where applicable in which case the body part 3 of the connector is provided with only one recessed part 4, cone 5 and screwed sleeve 6.

WHAT WE CLAIM IS:—

1. An electrical connector embodying a body part having a screw threaded recess therein, the lower end of said recess forming an abutment for the base of a cone member which is adapted to be located adjacent to said abutment in the screw threaded recess and a screw threaded sleeve which is adapted to be located in the screw threaded recess to lock the strands of a cable which are to be located between the end of said sleeve and the periphery of the cone member.

2. The improved electrical connector,
substantially as described with reference to
the accompanying drawing.

NORMAN S. BARLOW,
Chartered Patent Agent,
Agent for Applicants.

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FIG. 1.

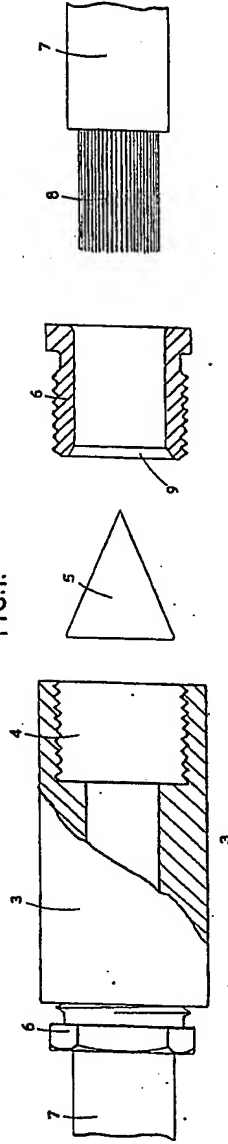


FIG. 2.

